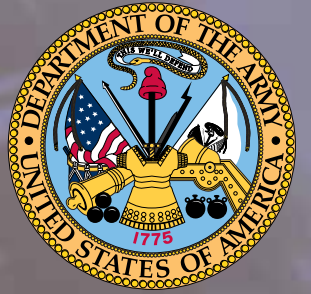


Design, Deliver, Maintain Sustainably...



The Army is looking for Sustainable Champions with the SPiRiT to synergize leading-edge technologies and innovative ideas into the Army's installation's facilities life-cycle process.

Executive Order 13123
Federal Leadership in Energy Management
— DoD develop SDD principles.

SPiRiT Users Say:

"This design process offers us an excellent method to provide responsible stewardship of our natural, human and financial resources."

"... these practices are an investment in our future... we can meet today's need and provide for future generations."

"Glad to see a definitive standard being set."

SPiRiT

SUSTAINABLE PROJECT RATING TOOL

"A self-assessing system designed to help the Army achieve facilities that meet the needs of current missions, and infuse new technologies and innovative sustainability concepts in the design and construction process to improve the quality of facilities we build to support our soldiers' readiness, training and well-being."

"The Gateway to SDD"



A Guide for Army Garrison Commanders Facility Planners and Project Delivery Teams

Presented by ACSIM & USACE



For More Information

POINT OF CONTACT AT USACE

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E-mail: Harry.Goradia@hq02.usace.army.mil

POINT OF CONTACT AT OACSIM

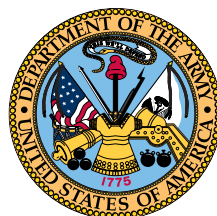
Mr. John Scharl • 703-428-7614

E-mail: john.scharl@hqda.army.mil

For More Details See The ACSIM SDD Websites

<http://www.hqda.army.mil/acsimweb/fd/linksSDD.htm>

<http://www.cec.army.mil/sustdesign>



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BE SUSTAINABLE... NEVER LET TODAY USE UP TOMORROW



BETTER FACILITY PERFORMANCE • SYNERGY

SDD What Is SDD?

SDD is an integrated approach to planning, designing, building, operating and maintaining Army facilities in a collaborative and holistic manner among all stakeholders.

SDD Benefits:

- Those who live and work in Army facilities
- The environment
- The taxpayer
- The future users of Army facilities and their missions

Why Have SDD?

The President and the Army have mandated SDD because it will:

- Improve morale and productivity
- Save on energy and maintenance costs
- Produce resource efficiency and minimize raw material consumption
- Maximize resource reuse
- Move towards the use of renewable energy
- Create a healthy work environment
- Create facilities with long-term value
- Where possible restore the natural environment

Who Will Do SDD?

- The Assistant Chief of Staff for Installation Management (ACSIM) has mandated SDD for all new Army facilities
- The USACE districts will implement SDD in their projects
- Installations will program for SDD on DD Form 1391
- Architects, Engineers, and Contractors will implement SDD, using SPiRiT

Why A Sustainable Project Rating Tool For SDD?

The SPiRiT rating tool gives an objective measure for success in developing and delivering sustainable projects. It also provides strategies for success.

A CLEANER WORLD

SPiRiT What Is SPiRiT?

SPiRiT is a rating tool that offers a checklist, strategies and scores to provide sustainable facilities to the Army. SPiRiT allows environmentally responsible practices to be integrated into the process of facility delivery from the very beginning. By using a “whole building” perspective, the SPiRiT rating tool helps in preserving the environment and improving facility life-cycle management. SPiRiT is based on accepted energy and environmental principles.

SPiRiT Rating Categories

The innovative technology-driven, environmentally friendly and cost-effective way to manage the Army facility life-cycle.



GREEN RESULTS

	Possible Points
Sustainable Sites:	20 pts
Erosion, Sedimentation, and Water Quality Control, Site Selection, Installation/Base Redevelopment, Brownfield Redevelopment, Alternative Transportation, Reduced Site Disturbance, Storm Water Management, Landscape and Exterior Design to Reduce Heat Islands, Light Pollution Reduction, Optimize Site Features, Facility Impact, Site Ecology	
Water Efficiency:	5 pts
Water Efficient Landscaping, Innovative Wastewater Technologies, Water Use Reduction	
Energy and Atmosphere:	28 pts
Fundamental Building Systems Commissioning, Minimum Energy Performance, CFC Reduction in HVAC&R Equipment, Reduce ozone depletion, Optimize Energy Performance, Renewable Energy, Additional Commissioning, Measurement and Verification, Green Power, Distributed Generation	
Materials and Resources:	13 pts
Storage & Collection of Recyclables, Building Reuse, Construction Waste Management, Resource Reuse, Recycled Content, Local/Regional Materials, Rapidly Renewable Materials	
Indoor Environmental Quality:	17 pts
Minimum IAQ Performance, Environmental Tobacco Smoke (ETS) Control, IAQ Monitoring, Increase Ventilation Effectiveness, Construction IAQ Management Plan, Low-Emitting Materials, Indoor Chemical and Pollutant Source Control, Controllability of Systems, Thermal Comfort, Daylight and Views, Acoustic Environment /Noise Control, Facility In-Use IAQ Management Plan	
Facility Delivery Process:	7 pts
Holistic Delivery of Facility: Encourage a facility delivery process that actively engages all stakeholders in the design process to deliver a facility that meets all functional requirements while effectively optimizing tradeoffs among sustainability, first costs, life cycle costs and mission requirements	
Current Mission:	6 pts
Design for operation and maintenance. Provide amenities for soldier and workforce productivity and retention	
Future Mission:	4 pts
Assess functional life of facility and supporting systems. Design for adaptation, renewal and future uses	
TOTAL	100 pts

SDD Showcase Projects

A SPiRiT Bronze rating is the minimum target score. This score is obtainable with current design/delivery budgets. The further up the scale, the more your project becomes a shining example to the Army and the nation. Installations are encouraged to nominate Army Sustainable Showcase MILCON Projects that can achieve Gold and Platinum ratings .



SPiRiT Scoring

75-100 SPiRiT Platinum
50-74 SPiRiT Gold
35-49 SPiRiT Silver
25-34 SPiRiT Bronze

LOWER ONGOING COST

Army SDD Certification Policy

Facility owners should insist that USACE Districts or A&E firms score all projects against SPiRiT. The owner should inform OACSIM if the project design Bronze rating is unachievable. Installations are encouraged to strive for Gold ratings and higher.



ENVIRONMENTALLY RESPONSIBLE

HEALTHY PLACES TO LIVE AND WORK